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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 2nd February 1985

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CORRIGENDA

(1)

In the Gazette of India, Part III-Section 2, dated 20-10-84, under the heading "Complete specification Accepted" at Page No. 878, Column-2

In respect of Patent Application No. 112/Bom/1981 filed on April 28, 1981 after Ind. Cl. 195 B+D & 36 A_1 *add* "154365".

(2)

1. In the Gazette of India, Part III-Section 2, dated 23-6-1984 under the heading "Complete Specification Accepted" at page No. 443, and 444.
   (i) In respect of Patent Specification No. 153252 (Application No. 197/BOM/80) in the title of invention *for* "AQUES" *read* "AQUEOUS".
   (ii) In respect of Patent Specification No. 153255 (Application No. 333/BOM/81) in the title of invention *for* "AFRATED" *read* "AERATED".
2. In the Gazette of India, Part III-Section 2, dated 30-6-1984 under the heading "APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH BOMBAY AT TODI ESTATES LOWER PATEL, WEST BOMBAY-13" at page 457.
   (i) In respect of Patent Application No. 91/BOM/84 in the title of invention *for* "tow" *read* "two".
   (ii) In respect of Patent Application No. 107/Bom/84 in the title of invention *read* as "substantial extension of the life of a tungsten filament or any other filament lamp by exploiting the resilence property of the soil".
3. In the Gazette of India, Part III-Section 2, dated 30-6-1984 under the heading "Complete specification Accepted" at page No. 469 Column-2.

   In respect of Patent Specification No. 153327 (Application No. 89/BOM/81) in the claim-1, clause (a) *insert* as "a cyclic velosity variation mechanism unit characterised in that its driven part continuously rotates with a cyclic angular velosity when its driving part is rotated at a constant angular velocity.
4. In the Gazette of India, Part III-Section 2, dated 14-7-1984 under the heading "Complete Specification Accepted" at page No. 519 and 520.
   (i) In respect of Patent Specification No. 153438 *for* Application No. "327/BOM/2980" *read* "327/BOM/1980".
   (ii) In respect of Patent Specification No. 153442 (Application No. 344/BOM/81) in claim 1 *for* formula "R_1 CNu $R_2 R_3$" *read*

$$R_1 \underset{\underset{O}{\|}}{C} NR_2 R_3$$"

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

27th December, 1984

884/Cal/84. Westinghouse Electric Corporation. Improvements in or relating to contact material for compression bonded semiconductor devices.

885/Cal/84. Westinghouse Electric Corporation. Improvements in or relating to method of making a void-free non-cellulose electrical winding.

886/Cal/84 E. I. Du Pont De Nemours and Company. Apparatus for Quenching Melt-Spun Filaments.

28th December, 1984

887/Cal/84. Nissin Kogvo Kabushiki Kaisha. Drum Brake Apparatus for Vehicle.

888/Cal/84. Johnsen & Jorgensen (Plastics) Limited. Tamper-Resistant Closure.

29th December, 1984

889/Cal/84. Samar Lal Maitra. An improved alarm clock and in particular to that for alarm actuation in "to the minute" accuracy. [Divisional date 28th April, 1982].

890/Cal/84. Loesche Gmbh. A process and an apparatus for the production of a homogenous mixture of coal dust and lime dust or dolomite dust.

891/Cal/84. Hoechst Aktiengesellschaft. Mixture of blue disperse azo dyestuffs for dyeing synthetic fibers.

892/Cal/84. Westinghouse Electric Corporation. Improvements in or relating to molded case circuit breaker with single solenoid operator for rectilinear handle movement.

31st December, 1984

893/Cal/84. The Babcock & Wilcox Company. Heat Exchanger Performance Monitor.

894/Cal/84. Kabushiki Kaisha Itoh Seitetsusho. Apparatus for soaking steel pieces.

895/Cal/84. The Babcock & Wilcox Company. Enthalpy measuring equipment for measuring the enthalpy of a substance.

1st January, 1985

1/Cal/85. Klein, Schanzlin & Becker Aktiengesellschaft. Multiphased Rotary Pump.

2/Cal/85. The Babcock & Wilcox Company. Electrical Connector Block.

3/Cal/85. The Babcock & Wilcox Company. Cooling Tower Monitor.

4/Cal/85. KRW Energy Systems Inc. Improvements in or relating to the adjustable booster for fluidized bed gasifiers.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

10th December, 1984

922/Del/84. Colgate-Palmolive Company, "Dentifrice composition".

923/Del/84. Colgate-Palmolive Company, "Extrudable dentifrice".

924/Del/84. Samsonite Corporation, "A connection device".

925/Del/84. Chemie Linz Aktiengesellschaft, "Process for the preparation of glyoxal, alkylglyoxals and acetals thereof".

926/Del/84. The Gillette company. "Razor blade". (Convention date December 23, 1983) (U.K.).

927/Del/84. Council of Scientific and Industrial Research, "A process for the preparation of a non-corrosive flux for soft soldering of copper and copper based alloys".

928/Del/84. Council of Scientific and Industrial Research. "An improved process for the preparation of tetrabromo bisphenol A".

929/Del/84. Council of Scientific and Industrial Research, "Improvements in or relating to the preparation of epoxy polymamide coating".

930/Del/84. Council of Scientific and Industrial Research, "A process for the preparation of a thickner material from the plant litsea polyacetha for use in the textile printing industry".

11th December, 1984

931/Del/84. Societe Nationale Des Poudres Et Explosifs. "Method and device for inhibiting the end faces of a block of propellant and propellant block obtained by this process".

932/Del/84. AB Hagglund & Soner', Weapon carrying vehicles."

933/Del/84. Piaggio & C.S.p.A., "Feeding governor of a diesel cycle engine in the starting stage".

12th December, 1984

934/Del/84. Gurit-Essex AG., "Chemically hardening two-component materials based on polyurethanes, and method of production and use".

935/Del/84. Ruhrchemie Aktiengesellschaft of Bruchstrasse, "A process for the preparation of ammonium nitrate".

936/Del/84. BSH Electronics Limited, "Electrical signal separating device having isolating and matching circuitry". (Convention date February 25, 1984) (U.K.).

937/Del/84. Solvay & CIE, "Coated seeds and process for preparing them".

938/Del/84. Interox, "Coated seeds and a process for their obtainment".

13th December, 1984

939/Del/84. Armco Inc. "Galling and wear resistant steel alloy".

940/Del/84. The General Electric Company, p.l.c., "Electric lamp and cap therefor". (Convention date January 6, 1984). (U.K.).

14th December, 1984

941/Del/84. A. Nattermann & Cie. GMBH., "Pharmaceutical preparation for the therapeutic treatment of rheumatic diseases".

APPLICATIONS FOR PATENTS IN THE PATENT OFFICE BRANCH, BOMBAY AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND LOWER PAREL (WEST) BOMBAY-400013

19-11-1984

325/Bom/84	Hoechst India Limited	A process for the production of a novel ansamycin antibiotic called Naphthomycin H from a microorganism called Strep tomyces Y-8340369 (culture number HPL Y-8340369)

23-11-1984

326/Bom/84	Hindustan Lever Ltd.(23rd Nov. 83, Great Britain)	Detergent Composition

24-11-1984

327/Bom/84	Bajaj Auto Limited	Composite Split Type Handle Bar for Motor Vehicles.

26-11-1984

328/Bom/84	T. H. Narhariprasad	An instrument for teaching English Language and Grammer.

28-11-1984

329/Bom/84	Hindustan Lever Ltd.	Manufacture of Chemicals
330/Bom/84	Hindustan Lever Ltd.	Manufacture of Chemicals

30-11-1984

331/Bom/84	Geisenhof Georgj	Extra Equal Element Efficiency Equalisation.

1-12-1984

332/Bom/84	R.Nagaraj and S.Nagaraj	Invention of lifting device for automobiles by way of modified scissor type screw jack.
333/Bom/84	Ingersoll-Rand (India) Ltd.	Casing Handling arrangement for a drilling rig with hydraulic top head drive.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

10th December, 1984

970/Mas/84. K. Seshadri. A fluid flow indicator.

971/Mas/84. Wacker-Chemie GmbH. Method for the oxychlorination of ethylene.

972/Mas/84. S.A.M.M.—Societe D'Applications Des Machines Motrices. A hydropneumatic vehicle suspension element and, in particular, an oleopneumatic suspension element for heavy vehicles, and suspension formed by said elements.

11th December, 1984

973/Mas/84. Etudes et Fabrication Dowell Schlumberger. Process and composition for cementing wells passing through salt formations.

974/Mas/84. Charbonnages De France. Process for the combustion of powdered coal and improved forehearth for a powdered-Coal boiler.

975/Mas/84. Arbed S.A., Gas-permeable element of a refractory material.

976/Mas/84. The Dow Chemical Company. Process for recovery of copper inhibitor in the recovery of CO_2 from flue gases.

12th December, 1984

977/Mas/84. United States Brass Corporation. Single handle feucet valve.

978/Mas/84. Maschinenfabrik Rieter AG. Thread winding geometry.

979/Mas/84. Societe des Produits Nestle S.A. Food Product.

13th December, 1984

980/Mas/84. Mannesmann Aktiengesellschaft. Making iron powder.

981/Mas/84. Linde Aktiengesellschaft. Process and apparatus for scrubbing gaseous components out of gaseous mixture.

982/Mas/84. John M. Hefton. Process for growing human epidermis, product use thereof.

14th December, 1984

983/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

984/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

985/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

986/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

987/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

988/Mas/84. Mobil Oil Corporation. Crystalline silicophosphoaluminate.

989/Mas/84. Mobil Oil Corporation. Silicophosphoaluminates and related crystalline oxides.

990/Mas/84. Mobil Oil Corporation. Synthesis of silicophosphoaluminate.

991/Mas/84. The Union Steel Corporation (of South Africa) Limited. Reduction of metal compounds.

15th December, 1984

992/Mas/84 Dynamit Nobel Aktiengesellschaft Process for chronologically staggered release of electronic explosive detonating devices

993/Mas/84 A H Robins Company, Incorporated Process for preparation of novel [2-[(Aminopyridinyl)Amino]Phenyl] Aryl ethanone and analogs thereof (Division to Patent Application No 1443/Cal/82)

994/Mas/84 Manfred Ihmels A spray medium inset for spraying pistols and a spraying pistol suitable for application of such insets

995/Mas/84 Richard David Atkins Further considerations in the application of fuel/air charges to spark ignition two stroke internal combustion engines

996/Mas/84 Richard David Atkins Further considerations in the application of fuel/air charges to spark ignition four stroke internal combustion engines

17th December, 1984

997/Mas/84 Robert Walter Brewerton Motion compensators and mooring devices (December 23, 1983, United Kingdom)

998/Mas/84 SMS Schloemann Siemag AG Mold for and method of continuous casting of steel strip

999/Mas/84 Granger Associates Inc Dual Mode Antenna

1000/Mas/84 A H Robins Company Incorporated A Process for preparing N (Arylthioalkyl)-N-(Aminoalkyl) ureas (Divisional to Patent Application No 557/Cal/82)

1001/Mas/84 A H Robins Company, Incorporated A Process for preparing N-(Arylthioalkyl)-N-(Aminoalkyl) ureas (Divisional to Patent Application No 557/Cal/82)

1002/Mas/84 A H Robins Company Incorporated A Process for preparing N (Arylthioalkyl) N (Aminoalkyl ureas (Divisional to Patent Application No 557/Cal/82)

18th December, 1984

1003/Mas/84 Dr Mahakal Paul George An automatic electronic switch for controlling the on/off operation of an electric motor coupled with a water pump for filling an overhead tank

1004/Mas/84 A H Robins Company, Incorporated A Process for preparing N (Aryloxy-Alkyl)-N-(Aminoalkyl) ureas (Divisional to Patent Application No 556/Cal/82)

1005/Mas/84 A H Robins Company, Incorporated A Process for preparing N-(Aryloxy-Alkyl)-N-(Aminoalkyl) ureas (Divisional to Patent Application No 556/Cal/82)

1006/Mas/84 A H Robins Company, Incorporated A Process for preparing N (Aryloxy Alkyl) N-(Aminoalkyl) ureas (Divisional to Patent Application No 556/Cal/82)

1007/Mas/84 Conoco Inc Phase of rectified trace seismic parameter

1008/Mas/84 Chemische Werke Huls Aktiengesellschaft Separation of heavy metal ash through centrifugal treatment or pressure filtration

1009/Mas/84 Dr Werner Freyberg Chemische Fabrik Delfia Nachf A method of packaging a hydrolysable metal phosphide composition in a ready to use form (Divisional to Patent Application No 393/Cal/82)

1010/Mas/84 John Richard Baker Method of preparing a standard solution simulating a glucose level of a blood sample (December 23, 1981, New Zealand)

(Divisional to Patent Application No 1476/Cal/82).

1011/Mas/84 Mitsuboshi Belting Ltd Method of manufacture of long cogged power transmission belts

19th December 1984

1012/Mas/84 S R P N Prakash A low frequency inverter using high frequency switching converters with a modulation technique

1013/Mas/84 Alcan International Limited Improved surface coating compositions (December 22 1983, United Kingdom)

1014/Mas/84 Alcan International Limited Improved surface coating compositions (December 22 1983, United Kingdom)

1015/Mas/84 GTE Products Corporation Fastener for channeled structural members

1016/Mas/84 BBC Brown, Boveri & Company Limited Static converter transformer

1017/Mas/84 Institute PO Technicheska Kibernetika I Robotika Modular wire-feeding device

20th December, 1984

1018/Mas/84 Anpumony Baylis A wet grinder

1019/Mas/84 Klaas Zwart Wireline jar (December 21 1983, United Kingdom)

1020/Mas/84 Syntex (U S A) Inc Processes and intermediates for making 16 phenoxy-and 16-substituted phenoxy prostatrienoic acid derivatives and their stereoisomers

1021/Mas/84 Misubishi Denki Kabushiki Kaisha Drawer-type circuit breaker (Divisional to Patent Application No 412/Cal/82)

1022/Mas/84 TI (Group Services) Limited Vitreous Enamels (December 21, 1983, United Kingdom)

21st December 1984

1023/Mas/84 Cummins Engine Company, Inc, Means and method for alternate fuel fumigation in internal combustion engines

1024/Mas/84 M P Compact Energy Limited Demolition device and method of preparing same (December 22 1983, United Kingdom)

1025/Mas/84 Sanden Corporation Piston assembly for a refrigerant compressor

1026/Mas/84 Union Carbide Corporation Thermoplastic modified epoxy compositions

22nd December, 1984

1027/Mas/84 C Ramachandran An improved 35 mm cinematographic film

1028/Mas/84 U V Nayak An attachment device for attachment to a substantially vertical projection such as a pole or stem

1029/Mas/84 Linde Aktiengesellschaft Six adsorber pressure swing adsorption process

1030/Mas/84 J H Fenner & Co Limited Thermoplastic power transmission belts (December 23, 1983, Great Britain)

1031/Mas/84 Cassella Aktiengesellschaft Mixtures of monoazo dyestuffs

ALTERATION OF DATE

155431 Ante dated to 18th September 1978 (835/Cal/82)

155438 Ante dated to 20th January, 1982 (520/Cal/84)

155471 Ante dated to 31st October, 1981 (1461/Cal/81)

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 32-F$_1$; 40-B 155431

Int. Cl. : B 01 j 11/08, 11/22; C 07 c 21/06.

PROCESS FOR SYNTHESIZING VINYL CHLORIDE MONOMER.

Applicant : THE BF GOODRICH COMPANY, OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, UNITED STATES OF AMERICA.

Inventors : 1. MICHAEL FRANCIS LEMANSKI, 2. FREDERICK CARL LEITERT, 3. CARL GEORGE VINSON, JR.

Application No. 833/Cal/82 filed July 20, 1982.

Division of application No. 1024/Cal/78 dated 18th September, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules. 1972) Patent Office, Calcutta.

13 Claims

In a continuous process for synthesizing VCM, the steps which comprise :

(a) feeding ethylene, a source of oxygen, and a source of chlorine to a primary reactor, which has been charged with a catalyst comprising from 0.01% to 6% by weight of a salt of a metal selected from the group consisting of rhodium and platinum, from 0.01% to 15% of a salt of a metal selected from the group consisting of iron and copper and from 1.0% to 25% of a salt of zinc; impregnated on a support selected from the group consisting of alumina, titania, zirconia, silica, and silica alumina; said percentages expressing the metal content of each component as a function of the total weight of the catalyst;

(b) [illegible] ethylene to EDC and pyrolyzing EDC in situ to VCM and hydrogen chloride;

(c) removing said VCM from the mixture of gaseous feed materials, and-products, and by-products;

(d) said reaction being carried out at a pressure from 0 to 150 psi, at a contact time from 2 to 60 seconds, and at a temperature from 325° to 415°C, said temperature [illegible] substantially free of the need [illegible] input of heat energy other than that which may be required for initial start-up of said continuous process and/or preheating of the reactants.

Compl. specn. 23 pages. Drg. 1 sheet.

CLASS : 32E 155432

Int. Cl. : C 08 f 15/00.

PROCESS FOR THE PREPARATION OF ANION EXCHANGE RESINS.

Applicants : ION EXCHANGE (INDIA) LIMITED, TIECICON HOUSE, DR. E. MOSES ROAD, BOMBAY-400 011, MAHARASHTRA, INDIA.

Inventors : (1) VIJAY SHRIPAD KAMAT AND (2) SUNDER AVARDAN CHANDAR.

Application No. 239/Bom/1981 filed August 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

10 Claims

A process for the preparation of an anion exchange resin which comprises chloromethylating a cross-linked polymeric material such as herein described, filtering, washing and drying in any known manner the chloromethylated product thus obtained, soaking said product in a solution of an amine-compatible swelling agent such as herein described to cause it to swell, aminating the swollen product and recovering in any known manner the final product as an anion exchange resin whereby the chloromethylation is effected by contacting said polymeric material directly with chloromethyl methyl ether in the presence of a Friedel-Crafts catalyst at a temperature of from 34°C to 62°C, the Friedel-Crafts catalyst being present in an amount of from 15% to 45% of the total volume of ether and catalyst together, and characterized in that the amination is carried out by reacting the swollen chloromethylated product with a polyamine having more than one nitrogen in its structure at a temperature of from 40°C to 95°C.

Compl. specn. 9 pages. Drg. Nil.

CLASS : 5-C 155433

Int. Cl. : A 01 d 35/00.

HARVESTER.

Applicant : KUBOTA, LTD., OF 41-GO, 2-BAN, 1-CHOME, SHIKITSUHIGASHI, NANIWA-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventor : HARUMITSU MAKIZONO.

Application No. 436/Cal/81 filed April, 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An automotive harvester comprising a frame or body a reaper for reaping plants having grain carrying heads at positions immediately below the grains or thereabout, and a collector to collect reaped grain carrying plant heads and wherein the reaper and the said collector are arranged longitudinally of the body, a conveyor being provided to extend from the reaper to the collector to convey the reaped grain carrying plant heads: said conveyor comprising endless belt means having grain engaging means and mounted to extend between spaced apart roller means, and said conveyor having a forward end projecting forwardly of the reaper to serve also as means to take in the grain carrying plant heads to the reaper.

Compl. specn. 9 pages. Drg. 2 sheets.

CLASS : 71-G; 166-A & B 155434

Int. Cl. : E 02 f 3/00.

IMPROVEMENTS IN DREDGES.

Applicant : NEUMANN EQUIPMENT PTY. LTD., OF NUBAN STREET, CURRUMBIN, QUEENSLAND 4223, AUSTRALIA.

Inventor : JOHN ALFRED NEUMANN.

Application 1011/Cal/81 filed September 9, 1981.

Convention dated 9th September, 1980 (PE 5481) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A dredge of the type having a bucket wheel carrier hinged at its rear and having at its front a hydraulic motor

driving a rotary bucket wheel through a gearbox with seals to prevent ingress of water, the bucket wheel carrier also having at or near to its front a lifting sheave block for a lifting cable by which the bucket wheel may be lowered to or raised from working depth, and slewing sheave blocks for cables by which the dredge may be slewed, each of the said sheave blocks containing at least one sheave rotatable on bearings and seals for preventing ingress of water to the bearings, wherein :

a way for hydraulic fluid under pressure leads from the motor to the gearbox,

a bleed line for hydraulic fluid leads from the gearbox,

conduits lead from the bleed line to the bearings of the lifting sheave block and of the slewing sheave blocks, and

means are provided for maintaining predetermined hydraulic pressure within the bleed line to apply internal pressure on the said seals of the gearbox and of the said lifting and slewing sheave blocks.

Compl. specn. 11 pages. Drg. 4 sheets.

CLASS : 70-B; 136-E 155435

Int. Cl. : B 29 f 3/00; B 01 k 3/10.

COEXTRUDED MULTILAYER CATION EXCHANGE MEMBRANES AND A PROCESS FOR MAKING SAME.

Applicant : E. I. DU PLNT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. ROGER ALTON SMITH, 2. MICHAEL SOMERVILLE WITHERS.

Application No. 77/Cal/82 filed January 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the preparation of a multilayer cationic ion exchange membrance which comprises heating at least two substantially incompatible melt-fabricable fluorinated polymers containing pendant side chains having functional groups selected from sulfonyl and carboxyl to a temperature above the melting point of the polymers, bringing the polymers into contact while each is at a temperature above the melting point of the polymer, coextruding the polymers into a composite film, cooling the resulting composits to a temperature below the melting points of each of the films and optionally reinforcing the composits.

Compl. specn. 20 pages. Drg. Nil.

CLASS : 144-E_6 155436

Int. Cl. : C 09 c 1/36, 3/02.

METAL OXIDE SLURRIES AND PROCESS FOR THEIR PREPARATION.

Applicant : LAPORTE INDUSTRIES LIMITED, OF HANOVER HOUSE, 14 HANOVER SQUARE, LONDON, W1R OBE, ENGLAND.

Inventors : 1. BRAIN TEAR, 2. DAVID GEORGE OTHEN.

Application No. 397/Cal/82 filed April 8, 1982.

Convention dated 10th April 1981 (8111319) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A process for the production of an aqueous slurry of pigmentary metal oxide particles characterised by forming an aqueous dispersion of washed pigmentary metal oxide particles which have been surface treated with one or more hydrous oxides comprising alumina, raising the solids concentration of the particles in the dispersion to above 60% by weight, introducing into the dispersion, before or after the solids concentration thereof has been raised a combination of dispersants comprising an amine dispersant and an anionic dispersant and milling the raised solids concentration dispersion, containing the combination of dispersants, in the presence of grinding elements to improve the gloss and viscosity characteristics, in use, of the pigmentary metal oxide particles therein.

Compl. specn. 18 pages. Drg. Nil.

CLASS : 32-F_2 a; 55-F_4 155437

Int. Cl. : C 07 c 69/00.

PROCESS FOR THE PREPARATION OF CYCLOHEXANE CARBOXYLIC ACID DERIVATIVES.

Applicants : NIPPON CHEMIPHAR CO., LTD., OF No. 2-3, IWAMOTO-CHO, 2-CHOME, CHIYODA-KU, TOKYO, JAPAN; AND TEIKOKU CHEMICAL INDUSTRY CO., LTD., OF NO. 1-18, KITA-HORIE 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventors : 1. MUTSUMI MURAMATSU, 2. TOSHIO SATOH, 3. YUKIO YANAGIMOTO, 4. TADAMI SHINUCHI, 5. TOSHIO NAKAJIMA, 6. ISAO NAKAJIMA.

Application No. 1514/Cal/82 filed December 31, 1982.

Division of application No. 1071/Cal/80 dated 20th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A process for producing a compound of the formula shown in Fig. 2 of the accompanying drawings,

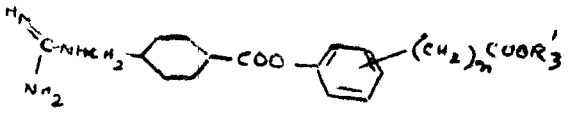


Fig. 2

wherein R_3 represents a C_1 to C_4 alkyl, phenyl, benzyl, anisyl or C_1 to C_4 alkoxycarbonylmethyl group, and n represents an integer of 0 to 2, which process comprises reacting a compound of the formula shown in Fig. 3 of the drawings,

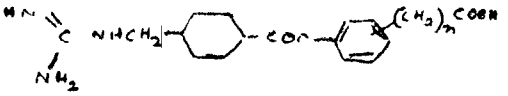


Fig. 3

wherein n represents an integer of 0 to 2, or a reactive derivative thereof of the type described herein, with a compound of the formula R'_3-OH, wherein R'_3 represents a C_1 to C_4 alkyl, phenyl, benzyl, anisyl or C_1 to C_4 alkoxycarbonylmethyl group under stirring at a temperature of room temperature to the boiling point of the solvent for 1 to 40 hours, and when desired, further treating the compound product (in a manner known *per se* and as described hereinbefore) with a pharmaceutically acceptable acid of the type described herein to form the corresponding salt.

Compl. specn. 29 pages. Drg. 1 sheet.

CLASS : 39-B; 70-B 155438

Int. Cl. : C 01 d 1/06.

IMPROVED PROCESS FOR THE CONTINUOUS PRODUCTION OF ALKALI METAL HYDROXIDE BY ELECTROLYSIS AND AN ELECTROLYTIC CELL THEREFOR.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. ROGER ALTON SMITH, 2. MICHAEL SOMERVILLE WITHERS.

Application No. 520/Cal/84, 20th July, 1984.

Division of Application No. 77/Cal/82 dated 20th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An improved process for the continuous production of alkali metal hydroxide which comprises continuously providing an aqueous alkali metal halide solution to the anode compartment of an electrolytic cell having an anode, a cathode, and a cation exchange membrane separating the anode and the cathode; electrolyzing the solution; and continuously removing alkali metal hydroxide solution, hydrogen, and halogen from the electrolytic cell, the improvement wherein the exchange membrane consists essentially of a co-extruded cation exchange membrane resulting from the process as described and claimed in specification of application No. 77/Cal/82. (serial No. 155435).

Compl. specn. 13 pages. Drg. Nil.

CLASS : $32F_2b$, $55E_1$ 155439

Int. Cl. : A 61 k - 21/00, 23/00.

A PROCESS FOR THE PREPARATION OF NOVEL CHEMOTHERAPEUTIC BISAMIDINE DERIVATIVES OF 3, 3'-DINITRODIPHENYL AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF.

Applicant : HOECHST INDIA LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY 400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : (1) DR. BALBIR SINGH BAJWA, (2) DR. DIPAK KUMAR CHATTERJEE, (3) DR. BIMAL NARESH GANGULI, (4)' DR. SURGEN REDED, AND (5) DR. NOEL JOHN DF SOUZA.

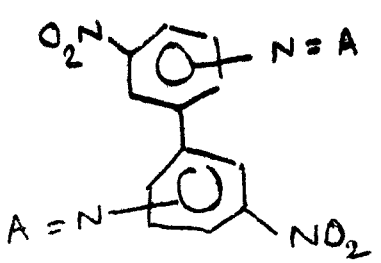
Application No. 303/Bom/81 filed on 26th October, 1981.

Complete after Provisional left on October 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A process for the preparation of novel chemotherapeutic bisamidine derivatives of 3, 3'-dinitrodiphenyl of the Formula I



Formula I

in which A stands for $C(R_1)\ NR_2R_3$, wherein R_1 stands for hydrogen, an alkyl group, a substituted alkyl group; each of R_2 and R_3 stands for hydrogen or an alkyl group; R_2 and R_3, when taken together with the nitrogen atom to which they are bound, stand for a heterocyclic group optionally substituted by a C_1-C_3 alkyl group; R_1 and R_2, when taken together with the carbon atom and the nitrogen atom to which they are bound. stand for a heterocyclic group optionally substituted by a C_1-C_3 alkyl group, and pharmaceutically acceptable salts thereof, said process comprising reacting a 3, 3'-dintrobenzidine with phosphorous oxychloride and an amide of the formula $R_1CNR_2R_3$, ‖ O

wherein R_1, R_2 and R_3 are as defined above to provide a compound of the said formula I into a pharmaceutically acceptable salt in known manner.

Provisional specn. 7 pages. Drg. 1 sheet.

Complete specn. 11 pages. Drg. Nil.

CLASS 32 F 3 d, 55 D 2 155440

Int. Cl. : A 01 n 9/36, C 07 f 9/08, 9/40.

PROCESS FOR THE PREPARATION OF XANTHENONEYL ESTERS OF PHOSPHORIC AND PHOSPHONIC ACIDS.

Applicant : VELSICOL CHEMICAL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 341 EAST OHIO STREET, CHICAGO, ILLINOIS 60611, UNITED STATES OF AMERICA.

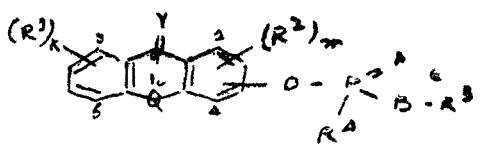
Inventor : JAMES THEODORE TRAXLER.

Application for Patent No. 82/Del/81 filed on 16th February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

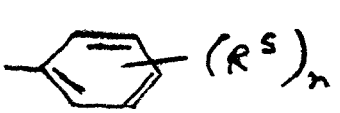
12 Claims

A process for the preparation of compounds of the Formula I



Formula I

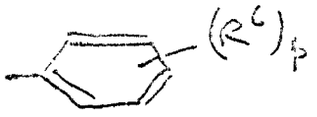
wherein R^1 and R^2 are each independently, selected from the group consisting of halogen, alkyl, haloalkyl, nitro, alkylsulfinyl, alkyl sulfonyl and cyano; k and m are integers from 0 to 3; Q is selected from the group of oxygen and sulfur; Y is selected from the group consisting of oxygen and sulfur; R^3 is selected from the group of consisting of alkyl and a radical of Formula A



Formula A

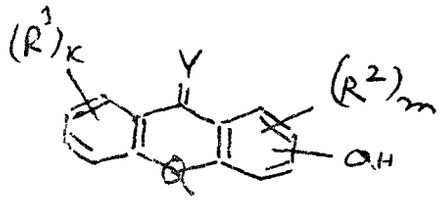
wherein R^5 is selected from the group consisting of halogen, alkyl, haloalkyl, nitro and cyano; n is an integer from 0 to 3; R^4 is selected from the group consisting of alkyl,

alkoxy, alkylthio, amino, alkylamino, dialkylamino and a radical of Formula B



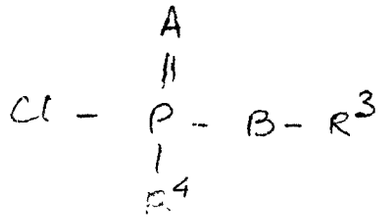
Formula B

wherein R^6 is selected from the group consisting of halogen, alkyl, haloalkyl, nitro, and cyano; and p is an integer from 0 to 3; and A and B are each independently selected from the group consisting of oxygen and sulfur, with the proviso that, if R^1 is alkoxy, then one of A and B must be sulfur, which comprises reacting a compound of the Formula II



Formula II

wherein R^1, R^2, k and m, Q and Y are as hereinbefore described with a compound of the Formula III



Formula III

wherein R^3, R^4, A and B are as hereinbefore described.

Compl. specn. 42 pages. Drgs. 2 sheets.

CLASS : $32F_2(_b)$, $55E_4$ 155441

Int. Cl. : C07d 57/00.

"A PROCESS FOR THE PREPARATION OF ESTERS".

Applicant : NEWPORT PHARMACEUTICALS INTERNATIONAL, INC. A CORPORATION OF CALIFORNIA, UNITED STATES OF AMERICA, OF 1590 MONROVIS BOULEVARD, NEWPORT BEACH, CALIFORNIA, UNITED STATES OF AMERICA; AND SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, A CORPORATION OF NEW YORK, UNITED STATES OF AMERICA; OF 1275 YORK AVENUE, NEW YORK, UNITED STATES OF AMERICA.

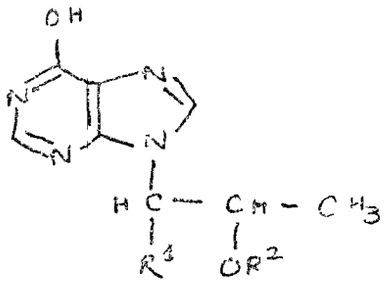
Inventors : LIONEL NORTON SIMON, ALFREDO GINER SOROLLA AND ALVIN GUTTAG.

Application for patent No. 94/Del/81 filed on 19th February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

19 Claims

A process of preparing a compound of the Formula I



Formula I

where R^1 is alkyl of 1 to 8 carbon atoms and R^2 is the ester group of a carboxylic acid, phosphoric acid, or nitric acid comprising reacting a compound of Formula I wherein R^2 is hydrogen with a carboxylic acid anhydride, a carboxylic acid halide, an alkyl chloroformate, phosgene, o-phenylene phosphochloridate or nitric acid.

Compl. specn. 52 pages. Drg. 1 sheet.

CLASS : 34B. 155442

Int. Cl. : C08b 1/00, 15/00.

"A PROCESS FOR THE PREPARATION OF CELLULASES FROM LIGNO CELLULOSIC FEEDSTOCK."

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, DELHI, HAUZ KHAS, NEW DELHI-110016, INDIA, AN INDIAN INSTITUTE.

Inventors : TARUN KUMAR GHOSE, VIKRAM SAHAI AND SATYA NARAYAN MUKHOPADHYAY.

Application for patent No. 107/Del/81 filed on 26th February, 1981.

Complete Specification left on 26th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

5 Claims

A process for the preparation of cellulases from ligno cellulosic feedstock such as rice straw or husk, baggase or cotton linter, said cellulase being used in the manufacture of ethanol comprising in the step of growth of cell masses and bioconversion for preparation of cellulases from the same feedstock in a single reactor by adding said feedstock and a media as herein described into the reactor to form a broth, adding an inoculum consisting of mutated Trechoderma reesei and carrying out the reaction at a temperature of 28 ± 2°C, the broth having an initial pH of 5.5.

Provisional specification 5 pages.

Complete specification 10 pages.

CLASS : $32F_3(_a)$ 155443

Int. Cl. : C13k 9/00.

"A PROCESS FOR THE PREPARATION OF A MIXTURE OF HIGH FRUCTOSE SYRUP AND GLUCOSE".

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, DELHI, HAUZ KHAS, NEW DELHI-110016, INDIA, AN INDIAN INSTITUTE.

Inventors : TARUN KUMAR GHOSE AND SUBHASH CHAND.

Application for patent No. 108/Del/81 filed on 26th February, 1981.

Complete specification left on 26th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of a mixture of high fructose syrup and glucose from a feedstock, namely a cellulose hydrolyzate having glucose therein, which consists in introducing the feedstock into a reactor having packages disposed therein, said packages containing microbial cells, such as streptomyces species, which cause an isomerization of glucose into a mixture of high fructose syrup and glucose, said microbial cells being pretreated by known method to inactivate all enzymes other than glucose isomerase.

Provisional specification 4 pages.

Complete specification 9 pages.

CLASS : $77B_{9}$, $140A_{2}$. 155444

Int. Cl. : C11b 1/00.

"PROCESS FOR THE EXTRACTION AND SULPHURIZATION OF JOJOBA OIL FOR USE AS A LUBRICANT".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAMESH RATILAL MEHTA, ECHIAMBADY RAJAGOPALA RANGASWAMY IYENGAR AND DHIRUBHAI JETHALAL MEHTA.

Application for patent No. 116/Del/81 filed on 27th February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

5 Claims

A process for the extraction of jojoba oil for use as a lubricant in admixture with a mineral lubricating oil comprising extracting jojoba seeds flakes with a volatile organic solvent at a temperature of 50°C to 65°C in standard extractors, drying the liquid wax so obtained, heating the dried wax upto 250°C, and sulphurising the heated liquid wax by treatment with flowers of sulphur with vigorous mixing.

Compl. specn. 11 pages.

CLASS : 86E, 40I, 55B. 155445

Int. Cl. : A47b 46/00, A61b 9/00, G01n 1/22.

"A MULTIGAS SAMPLING DEVICE TO STUDY ATMOSPHERIC POLLUTION".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors VASANT LACHAMAIYYA PAMPATTIWAR AND HARIDAS JAGANNATH PATIL.

Application for patent No. 117/Del/81 filed on 27th February, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A multigas sampling device to study atmospheric pollution consisting of a plurality of impingers each having an opening for inflow of air and containing desired absorbent for the absorption of the pollutants under study, a pump means connected through of manifold to each of said impingers by conduit means, the said pump means acting as a suction source for inflow of air through said opening of the impingers and all said impingers the said means being mounted on a mobile housing unit.

Compl. specn. 8 pages. Drg. 1 sheet.

CLASS : 89. 155446

Int. Cl. : G01b 3/00, 7/00.

"INSTRUMENT FOR MEASURING LARGE LINEAR MAGNITUDES".

Applicant : TESA S.A., OF RUE BUGNON 38, 1020 RENENS, SWITZERLAND, A COMPANY ORGANIZED UNDER THE LAWS OF THE STATE OF VAUD, SWITZERLAND.

Inventor : SERGE GINGGEN.

Application for patent No. 119/Del/81 filed on 3rd March, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An instrument for measuring large linear magnitudes comprising :

(a) An elongated body formed of interchangeable extension pieces, said body having a measurement head mounted at one of its ends and a fixed stop mounted at its other end;

(b) gauge rods aligned and incorporated within said extension pieces, said gauge rods resiliently biased against each other;

(c) a measurement feeler borne by said measurement head, and a measurement feeler borne by said fixed stop, each of said measurement feelers being formed by an arm and said arms being parallel to each other, whereby said arms are contained in a plane;

(d) a contact stop fastened on each of said arms in a position offset with respect to the alignment of said gauge rods;

(e) means for checking the inclination of the two measurement feelers in the plane containing said feelers forming parallel arms; and

(f) means for adjusting the inclination of at least one of said measurement feelers in said plane.

Compl. specn. 16 pages. Drg. one sheet

CLASS : 32E. 155447

Int. Cl. : C08f 19/06, 19/08, 19/00.

"PROCESS FOR THE PRODUCTION OF AN ELASTOMERIC COPOLYMER OF AN AROMATIC VINYL COMPOUND AND A CONJUGATED DIENE, SUITABLE FOR USE IN THE TREAD PORTION OF A PNEUMATIC TYRE".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY OF 30 CAREL VAN BYLANDTLAAN, THE HAGUE, THE NETHERLANDS.

Inventors : ROBERT JOHN BLYTHE, ROBERT BOND AND GERARDUS ENGELBERTUS LA HEIJ.

Application for patent No. 120/Del/81 filed on 3rd March, 1981.

Convention date 7th March, 1980/8007861 (G.B.) & 8007860 (G.B.), 29th November, 1980/8038406 (G.B.) & 8038405 (G.B.), 20th February, 1981/8105433 (G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the production of an elastomeric copolymer of an aromatic vinyl compound and a conjugated diene, suitable for use in the tread portion of a pneumatic tyre, said copolymer having a vinyl content of at least 30% by weight and having a differential content of the aromatic vinyl compound whose percentage of differential content of the aromatic vinyl compound changes in a portion of not more than 5% of the copolymer chain (as determined by monomer conversion) from a first value to a second value, said second value being at least 25 percentage points greater than said first value, and said portion lies within a terminal 10% portion of the copolymer chain (as determined by monomer conversion) in which process a mixture of the aromatic vinyl compound and the conjugated diene is subjected to polymerization in a solvent for the reactants at a temperature in the range from 20°C to 80°C and in the presence of an initiator whereby an enhanced and/or an increasing proportion of the aromatic vinyl compound is formed towards the beginning and/or the end of the copolymerization reaction by using a structure modifier favouring 1, 2-polymerization of the conjugated diene at the expense of 1, 4- or other alpha-omega polymerization and/or by introducing an excess amount of the aromatic vinyl compound with respect to the conjugated diene into the reaction zone towards the beginning and/or the end of the copolymerization reaction said solvent, initiator and structure modifier being of the kind such as herein defined.

Compl. specn 64 pages Drgs. 28 sheets.

CLASS . 29D. 206E 155448

Int. Cl. : G06c 15/00.

"IMPROVEMENTS IN OR RELATING TO DATA PROCESSING SYSTEMS".

Applicant : INTERNATIONAL COMPUTERS LIMITED, A BRITISH COMPANY, OF ICL HOUSE, PUTNEY, LONDON, SW15 1SW, ENGLAND.

Inventors : JAMES EDWARD BURROWS, IVAN ROGER GREENWAY.

Application for patent No 133/DEL/81 filed on 10th March, 1981.

Convention application date 19th March, 1980/8009306/ (Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

5 Claims

A. A date processing system comprising ;

a main processor system including

(a) a main store for storing main-program instructions and operands, and

(b) a central processor comprising

(i) a writable control store for storing micro-program instructions and having an address input for receiving an address indication for a required access a data input for data to be entered into the control store, a data output for data retrieved from the control store and a control input for receiving a control signal indicating whether a required access is a write access or a read access, and

(ii) execution means including arithmetic-logic means for performing operations on operands, means for generating main-store addresses, means for generating control-store addresses, and register means for holding retrieved micro-program instruction, and

(iii) control means connected to receive the output of the said register means and responsive to retrieved microprogram instructions to decode the said micro-program instructions into control signals supplied to elements of the main processor system to control their operation, the elements including the said control input of the control store and the program-execution means,

(c) there being connections between the execution means and the main store permitting the transfer of addresses indications from the execution means to the main store and the transfer of data from the main store to the execution means or vice versa, connections between the execution means and the control store permitting transfer of address indications from the execution means to the control store and the transfer of data from the execution means to the control store and vice-versa, the output signals output by the control means in response to each retrieved micro-instructions being so selected as to cause the required operations and data transfers to take place and

B diagnostic apparatus comprising ,

(a) buffer means the input of which is connected to the central processor to receive the address indication supplied to the address input of the control store

(b) buffer means the input of which is connected to the central processor to receive the signal supplied to the said control input of the control store and indicating whether a required access is a write access or a read access the buffer means storing an indicating when the control signal supplied to the control store indicates that a required access is a write access,

(c) means connected to the outputs of the said two buffer means and responsive to the said stored indication from the buffer means (b) and to the address indication from the buffer means (a) to generate a predetermined signal when a write access is made to a predetermined location of the control store,

(d) control means connected to receive the output of the last-mentioned means (c) and responsive to the receipt of the said predetermined signal to issue control signals supplied to the main processor system and effective to cause a read access the said predetermined location of the control store, and

(e) means connected to the data output of the control store to receive data read out from the control store.

Compl. specn 32 pages Drgs. 5 sheets.

CLASS : 87 E 155449

Int. Cl. : A 63 b 71/08.

IMPROVEMENTS IN OR RELATING TO LEG GUARDS SUCH AS CRICKET PADS.

Applicant : STAFFORD RUBBER COMPANY LIMITED, OF RINGWAY INDUSTRIAL ESTATE, EASTERN AVENUE, LICHFIELD, STAFFORDSHIRE WS13 7SF, ENGLAND, A BRITISH COMPANY.

Inventors : THOMAS MATTHEW CAVENEY AND ANDREW JOHN BATES.

Application for Patent No 134/Del/81 filed on 10th March, 1981

Convention dat 29th March 1980/80 (0673 (G B)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

15 Claims

A leg guard such as a cricket pad formed from plastics material, comprising : a first, impact-resistant layer of a plastics material: a second, resilient layer of a plastics material which provides a padding for the leg of a user of the guard: the guard having a lower portion to protect, in

use, at least the shin of the user and an upper portion to protect, in use, at least the lower part of the thigh of the user; and the lower and upper portions being disposed with reference to the over-all dimensions of the leg guard so that, in use, the knee of the user is behind a knee zone connecting, or comprising contiguous border zones of, said lower and upper portions, the guard having flexibility in said knee zone to permit hinge like movement of said lower portion relative to said upper portion.

Complete specn. 16 pages. Drg. 2 sheets.

CLASS : 172-C_9 D_2 155450

Int. Cl. : D 01 h 9/00.

SPINNING PREPARATORY MACHINE.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : 1 EMIL BRINER, 2. PETER NOVAK, 3. 3. HERMANN GASSER.

Application No. 1027/Cal/80 filed September 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Spinning preparatory machine with a machine frame and with spindles arranged therein in at least one row and with flyers suspended thereabove and povitable about a common, virtual longitudinal axis of the machine between an operating position and a doffing position in which the bobbins can be doffed unobstructedly upward from the spindles, chahracterized in that the flyers (5) are supported in a row in a frome (14; 43, 44), which consists of a longitudinal support beam (4; 41, 42) and of at least two arms (12, 13; 37, 38) arranged at right angles thereto, which arms at their free end are supported in the machine frame (3; 36) and pivotable about a pivoting axis (15; 39, 40), and which in their operating position are pressed against a first stop (17; 48) provided on the machine frame (3; 36) using at least one pivoting and loading system (18; 46) containing a spring (23; 35), and that the pivoting and loading system (18; 46) is connected with the frame (14; 43, 44) Kinematically whereby at the operating position of the frame, the pivoting and loading system are capable of being brought into a locking position after passing an unstable position where the loading pressure is greatest, the loading pressure in the locking position being lower.

Compl. specn. 21 pages. Drg. 3 sheets.

CLASS : 32-F_2 (c); 40-F 155451

Int. Cl. : C 07 c 127/00.

UREA SYNTHESIS PROCESS.

Applicant & Inventor : IVO MAVROVIC, OF 530 EAST 72ND STREET, NEW YORK, UNITED STATES OF AMERICA.

Application No. 544/Cal/81 filed May 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules. 1972) Patent Office, Calcutta.

3 Claims

An improved cyclic process for producing urea comprising reacting CO_2 and NH_3 in the presence of an aqueous ammoniacal solution of at least one compound selected from the group consisting of ammonium carbonate and/or ammonium carbamate in a urea synthesis reactor at an elevated temperature of 330°F to 400°F and at a pressure from 1,800 PSIG to 6,000 PSIG, to form a urea synthesis reactor effluent fluid at high pressure :

lowering the pressure of said reactor effluent fluid to a pressure ranging from 30 PSIG to 800 PSIG, to flash-off gaseous NH_3, CO_2 and H_2O phase to obtain a residual reactor effluent solution comprising ammonium carbamate, ammonia, water and urea,

recycling at least part of said flashed off gaseous NH_3, CO_2 and H_2O phase to the urea reactor,

passing said residual reactor effluent solution to a carbamate decomposer wherein it is heated, the heat being supplied in the form of steam in heat exchange relationship to the contents of said decomposer, and wherein the ammonia and water vapor contained in said effluent solution is taken off in a gaseous product which ammonium carbamate and wherein the ammonium carbamate is decomposed to form gaseous ammonia and gaseous carbon dioxide which is also taken off in the gaseous product,

at least part of said gaseous product from said carbamate decomposer is recycled to said urea synthesis reactor, and

a liquid product solution is withdrawn from said carbamate decomposer containing urea,

the improvement comprising splitting in the conventional manner said urea synthesis reactor effluent fluid stream into a minor stream containing from 5% to 35% by weight of the total urea synthesis reactor effluent stream, and a major stream containing the balance of said urea reactor effluent fluid stream,

passing said major stream through a pressure release valve to lower the pressure to the range from 30 PSIG to 800 PSIG and then passing said major stream at said lower pressure to the lower section of a liquid gas separator having a midsection provided with a liquid gas contact means above said lower section and an upper section above said midsection, said major stream at said lower pressure comprising (i) a gaseous phase containing NH_3, CO_2 and H_2O which rises into and through said midsection of said separator into said upper section, and is removed therefrom with the other gaseous contents thereof, and (ii) a liquid phase containing urea and unconverted ammonium carbamate which passes downthrough the lower section of said separator and is withdrawn as a liquid part of the liquid product from the separator which is passed to an ammonium carbamate decomposer,

passing said minor stream through a heat exchanger wherein its temperature is lowered between 40 and 80°F., and then passing said cooled minor stream through a pressure release valve to lower the pressure to substantially the pressure of the major stream as it enters said liquid gas separator and passing said minor stream having said lowered pressure to the upper section of said liquid gas separator wherein it is separated into (a) a gaseous phase containing NH_3, CO_2 and H_2O which is removed therefrom with the other gaseous contents of said upper section of said separator and recycled to said urea synthesis reactor and (b) a liquid phase which is passed downwardly through said midsection of said separator wherein it contacts the gaseous phase (i) passing upward through said mid-section and absorbs carbon dioxide and water vapor from said gaseous phase (i) and said liquid phase (b) then passes downwardly through the lower section of said separator and is withdrawn as part of the liquid product from the separator which is passed to said ammonium carbamate decomposer,

whereby the combined gaseous phase from said liquid separator which is recycled to said urea synthesis reactor has a lower CO_2 and H_2O content than said gaseous phase (i) flashed off from said major stream and rising into and through said midsection of said separator,

and the combined liquid product withdrawn from the lower section of said separator containing ammonium carbamate which is passed to said carbamate decomposer, has a larger content of CO_2 and H_2O than the liquid phase (ii) of said maior stream after reduction in pressure and before passing through the lower section of said separator and mixing with the liquid phase (b) of said minor stream passed downwardly through said midsection of said separator.

Compl. specn. 16 pages. Drg. Nil.

CLASS : 70-C$_5$ 155452

Int Cl. : B 01 k 3/00.

PHOTOLYTIC SYSTEM FOR THE PRODUCTION OF OXIDATION AND REDUCTION PRODUCTS.

Applicant : ENGELHARD CORPORATION, OF 70, WOOD AVENUE SOUTH, METRO PARK PLAZA, ISELIN, NEW JERSEY-08830, U.S.A.

Inventors : 1. MICHAEL GRATZEL, 2. MICHAEL NEWMANN SPALLART.

Application No 744/Cal/81 filed July 4, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A photolytic system for the production of oxidation and reduction products which comprises :

(1) a darkened halfcell containing an anode and an oxidizable substrate; (2) an illuminated halfcell containing a composition which under the action of visible light exhibits an enhanced ability to donate electrons a cathode, an electron relay which accepts electrons, a catalyst for mediating an oxidation-reduction process and an oxidazable or reducible substrate; and (3) means for transporting electrons and ions between said illuminated halfcell and said darkened halfcell, in which the improvement comprises said anode being comprised of an

anodic catalyst positioned in the darkened halfcell to mediate oxidation-reduction said anodic catalyst being selected from the group consisting of :

(a) ruthenium oxide, (b) iridium oxide, (c) ruthenate salts, (d) iridate salts, and mixtures of two or more thereof

Compl. specn. 18 pages. Drg. 1 sheet.

CLASS : 128-F, G & K 155453

Int. Cl. : A 61 m 3/00.

AN ACCESSORY FOR USE WITH AN INJECTION DEVICE.

Applicant & Inventor : HUGH ROBERT DENT, OF 1 QUELFURLONG COTTAGES, CRUDWELL, MALMESBURY, WILTSHIRE, ENGLAND.

Application No. 851/Cal/81 filed July 28, 1981.

Convention dated 29th July, 1980 (8024765) U.K.

25th September, 1980 (8030985) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

An accessory for use with an injection device of the kind in which injectate is delivered through a hollow needle, the accessory comprising a sterilising cap which is provided to store the needle and is detachably connectable to one end of a sleeve through which the needle is moved in use, wherein the cap comprises a container which is adapted to be fitted to the end of the sleeve, and an annular wall which is connected to the container and is adapted to surround the end of the sleeve when the cap is fitted to the sleeve, whereby the end of the sleeve is received within the annular wall and is closed off by the cap, the container being such that the needle of the injection device may be passed therethrough and containing sterilising means, whereby, when the cap is fitted to the sleeve, the point of the needle is sterilised by the sterilising means as it is passed through the container.

Compl. specn 16 pages. Drg. 1 sheet.

CLASS : 130-F & I 155454

Int. Cl. : C 22 b 11/06.

RECOVERY OF SILVER FROM ORES AND CONCENTRATES.

Applicant : DEXTEC METALLURGICAL PTY. LTD., OF 124 WALKER STREET, NORTH SYDNEY, NEW SOUTH WALES, 2060, AUSTRALIA.

Inventor : PETER KENNETH EVERETT.

Application No. 1030/Cal/81 filed September 15, 1981.

Convention dated 29th September, 1980 (PE 5799) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the recovery of silver from a silver bearing ore or concentrate which comprises

(1) forming a mixture of ore or concentrate and a strong electrolyte containing chloride ions and maintaining the mixture at a temperature up to the boiling point of the electrolyte;

(2) maintaining the pH of the mixture from 2 to to selectively take silver into solution;

(3) precipitating silver from said solution by contacting same with iron or steel particles

Compl specn. 12 pages. Drg. 1 sheet.

CLASS : 40-F 155455

Int Cl. : B 01 d 1/14; B 04 b 5/00

APPARATUS FOR SEPARATING LIQUID GAS MIXTURE.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V., OF CAREL VAN BYLANDTSCHE LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : 1. HUBERTUS JOHANNA ADRIANUS SCHUUR MAMS, 2. ANDRE THEO MARIA PEER.

Application No. 1033/Cal/81 filed September 16, 1981.

Convention dated 18th September, 1980 (8030134) U.K.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

10 Claims

An apparatus for separating liquid/gas mixtures and contacting liquids and gases for creating an exchange of matter and/or heat between the phases, followed by separating the phases comprising a tubular wall defining an inner space and an outer space, a top wall arranged at some distance above the tubular wall and confining said inner space and said outer space in upward direction, inlet means for supplying a mixture of a liquid and a gas into the inner space, swirl imparting means inside the inner space for imparting a rotary movement to the mixture of the liquid and the gas to separate the liquid and the gas, outlet means for separately discharging the liquid and the gas from the inner space, said outlet means comprising :

(a) a primary gas outlet tube, arranged co-axially with the inner space passing through the top wall and having the lower end thereof positioned inside the inner space below the upper end of the tubular wall,

(b) at least one liquid discharge opening arranged in the tubular wall, the apparatus further comprising at least one secondary gas outlet tube for discharging gas from the outer space, said secondary gas outlet tube passing through the top wall and having the lower end thereof positioned inside the outer space.

Compl. specn. 16 pages. Drg. 5 sheets.

CLASS : 90-J 155456

Int. Cl. : C 03 c 17/12.

PROCESS FOR FORMING A REFLECTING COPPER COATING ON A FACE OF A GLASS SUBSTRATE.

Applicant : LVOVSKY GOSUDARSTVENNY UNIVERSITET IMENI I. FRANKO, OF LVOV, ULITSA UNIVERSITETSKAYA, I. USSR.

Inventors : 1. NIKOLAI SEMENOVICH TSVETKOV, 2. IGOR IOSIFOVICH MALEEV, 3. IRINA EVGENIEVNA OPAINICH, 4. LIDIA ALLSANDROVNA LUBKOVSKAYA, 5. ALESANDR ROMUALDOVICH BOGUSH, 6. ALESANDRA DMITRIEVNA SOZANSKAYA, 7. EVGENY IVANOVICH ONISCHAK, 8. EVGENY IVANOVICH GLADYSHEVSKY, 9. MIKHALL DMITRIEVICH OPAINICH.

Application No. 1037/Cal/81 filed September 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for forming a reflecting copper coating on the face of a glass substrate, which consists in activation of the glass face successively in an aqueous solution containing $SnCl_2.2H_2O$ and in an aqueous solution containing $AgNO_3$ with subsequent chemical metallization from the coppering solution for effecting chemical coppering and drying, characterized in that the activation of the glass face is carried out in a low concentration 0.0005-0.007% by weight aqueous solution of $SnCl_2.2H_2O$ and low-concentration 0.005-0.15% by weight aqueous solution of $AgNO_3$, chemically coating the activated face of the glass substrate for 3 to 15 minutes in a coppering solution as herein defined preheated to 30 to 65°C, stabilizing the coated face of the glass substrate with an aqueous solution of passivator, drying the stabilized copper coated face of the glass substrate.

Compl. specn. 14 pages. Drgs. Nil.

CLASS . 35-B; 85-G 155457

Int. Cl. : C 04 b 7/02; F 27 d 19/00.

KILN PLANT FOR BURNING GRANULAR OF PULVERULENT RAW MATERIALS.

Applicant : F. L. SMIDTH & CO. A/S., OF 77, VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor . TAGE HALFDON DANO.

Application No. 1055/Cal/81 filed September 22, 1981.

Convention dated 22nd September 1980 (8030508) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A kiln plant for burning granular or pulverulent raw material for instance clay and lime for the manufacture of cement clinker, the plant comprising a kiln, a single string multistage suspension preheater with an associated suspension preheater with an associated suspension precalciner for pretreating material prior to burning of the material in the kiln, and a cooler coupled to the kiln for cooling the burnt material; wherein a lowermost riser pipe is arranged to convey kiln exhaust gases to a gas inlet of the lowermost preheater stage; a gas outlet of the lower-most preheater stage is connected via a gas duct to the gas inlet of the penultimate preheater stage; a conduit conveys spent cooling air to the precalciner to provide substantially the entire combustion air supply to the precalciner: a precalciner exhaust gas outlet is connected to a separator for separating the precalciner material and for feeding the separated material into the kiln; characterized in that the precalciner exhaust gas outlet is also connected to the gas duct whereby both the kiln exhaust gas and the precalciner exhaust gas combine in said gas duct and pass together up through the penultimate and any higher stages of the preheater; and in that a manually or automatically controlled, movable throttle is provided in said gas duct upstream of the connection from the precalciner exhaust gas outlet whereby the pressure drop in the path of the kiln exhaust gas is made adjustable in relation to the pressure drop across the precalciner to provide optimal burning conditions in the precalciner.

Compl. specn. 12 pages. Drg. 3 sheets.

CLASS : 130-I 155458

Int. Cl. : C 22 b 11/04, 15/12, 17/04, 19/22.

A PROCESS FOR THE TREATMENT OF A RAW MATERIAL WHICH CONTAINS OXIDE AND FERRITE OF ZINC COPPER AND CADMIUM.

Applicant : OUTOKUMPU OY, OF SF-83500 OUTOKUMPU, MINLAND.

Inventors : 1. JUSSI KALEVI RASTAS, 2. PEKKA JUHANI SAIKKONEN, 3. KISTO JOHANNES HONKALA, 4. VEIKKO MATIAS PULVI.

Application No. 1069/Cal/81 filed September 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for treatment of a ferrite-bearing residue which contains zinc, copper and/or cadmium and which is obtained from a neutral leach phase of the raw-material which again contains zinc, copper and/or cadmium oxide and ferrite, characterized in that sulfuric acid and/or ferrite sulfate-bearing solution is added to the ferrite-bearing residue in such an amount that approximately 50–60% of the ferrite dissolves and its iron precipitates as jarosite and that the solid phase is dried and heated to so high a temperature that the zinc, copper and/or cadmium of the solid phase is converted to sulfates and its iron to hematite in accordance with the following reaction :

(8) $3ZnFe_2O_4(s) + 2A[Fe_3(SO_4)_2(OH)_6](s) \rightarrow$
$3ZnSO_4(s) +$
$3A_2SO_4(s) + 6Fe_2O_3(s) + 6H_2O(g),$

(A = Na, K)

and finally the thus treated solid phase is slurried in water, whereby zinc, copper and/or cadmium sulfates dissolved into water and hematite indissoluble in water are obtained as end products.

Compl. specn. 21 pages. Drg. 1 sheet.

CLASS : 14-A_2 155459

Int. Cl. : H 01 m 35/00.

LEAD-ACID BATTERIES FOR FLOAT APPLICATIONS.

Aplicant : GOULD ING., OF 10, GOULD CENTER, ROLLING MEADOWS. ILLINOIS 60008, UNITED STATES OF AMERICA.

Inventors : 1. PURUSHOTHAMA RAO, 2. FREDERICK LEON MARSH.

Application No. 1162/Cal/81 filed October 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A lead-acid battery having characteristics suitable for use in float applications comprising :

a sealed container divided into a plurality of cells by internal partitions,

a plurality of positive plates contained in each cell, each of said plates comprising a self-supporting grid and positive active material pasted on said grid,

a plurality of negative plates contained in each cell, each of said plates comprising a self-supporting grid and negative active material pasted on said grid,

at least one layer of an electrolyte absorbing and retaining separator material intimately contacting and separating said positive and negative plates,

sulfuric acid electrolyte absorbed in said plates and separators, said plates and separators being sufficiently porous to retain sufficient electrolyte to provide a capacity of at least about 25 ampere hours, and

said container having at least one normally closed relief valve capable of venting gases from the container to the atmosphere when pressure within said container is in the range of from about 0.5 to 3.0 psig.

Compl. specn. 31 pages Drg. 4 sheets.

CLASS : 186-A 155460

Int. Cl. : H 04 b 1/00

A CIRCUIT FOR DIGITALLY SYNTHESIZING AN IMPEDANCE.

Applicant : INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, OF 320 PARK AVENUE, NEW YORK 10022, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : ROBERT TREIBER.

Application No. 1175/Cal/81 filed October 22, 1981.

Convention dated 22nd September, 1981 (8128569) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A circuit for digitally synthesizing an impedance, including :

(a) analog-to-digital conversion means for converting input analog signals to digital signals;

(b) means for summing the digital signals with additional digital signals in a negative feedback relationship and deriving a combined signals output;

(c) digital filter means having the combined signal output coupled thereto, and having programmably alterable filter co-efficients, such that the processing of the combined signal output by the digital filter establishes a controllable output impedance characteristic of the circuit with respect to the digital filter transfer characteristics;

(d) digital-to-analog conversion means for converting the output of the digital filter to an analog voltage signal; and

(e) means for converting the analog voltage signal to an analog current having a high output impedance chabracteristic with respect to the impedance at the output of the converting means, the analog current also being coupled to the analog-to-digital conversion means.

Compl. specn. 38 pages. Drg. 12 sheets.

CLASS : 32-F_3 (c) 155461

Int. Cl. : C 07 c 31/12.

PROCESS FOR THE CONTINUOUS PRODUCTION OF SECONDARY BUTYL ALCOHOL.

Applicant : DEUTSCHE TEXACO AKTIENGESELLSCHAFT, OF UBERSEERING 40, D-2000 HAMBURG 60, WEST GERMANY.

Inventors : 1. WILHELM NEIER, 2. WERNER WEBERS, 3 RAINER RUCKHABER. 4 GUNTHER OSTERBURG 5. WOLF OSTWAID.

Application No. 1201/Cal/81 filed October 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for continuous production of secondary butyl alcohol by catalytic hydration of one or more n-butenes in the presence of a strongly acidic cation exchange resin as catalyst as a fixed bed and through which the reactants flow upwardly at a temperature of approximately 120°C to 180°C and a pressure of approximately 40 to 200 bar, the water/olefin mole ratio being about 0.5 to 10.0 : 1.0 characterized by reducing in any known manner such for example as herein described the pressure of the product stream removed overhead from the reactor to 2 to 60 bar, cooling it in any known manner such for example as herein described at this pressure to a temperature of 135 C or lower, and thus liquifying the product stream, splitting it in a separator into water and a liquid alcohol-butenes/butane mixture and vaporizing the alcohol-butenes/butane mixture under heat, and subsequently separating the alcohol at a pressure of 3 to 30 bar.

Compl. specn. 11 pages. Drg. 1 sheet.

CLASS : 105-D 155462

Int. Cl. : G 01 r 13/04.

POTENTIOMETRIC RECORDER BASED ON NULL DETECTION PRINCIPLE.

Applicant & Inventor : SRI SUBHAJIT DAS, C/O, SRI ANIL KUMAR MANDLE, 18, ELGIN ROAD, CALCUTTA-20.

Application No. 1217/Cal/81 filed November 2, 1981.

Complete Specification left on dated 15th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A potentio metric recorder based on null detection principle comprising a slide wire to which a marker is associated cable of moving across the slide wire, a chart paper mounted below said marker and a drive mechanism for operating said marker characterised in that the said marker is either a fast response relay printer or marker or an electromagnetic solenoid type or attracted armature type marker or printer, the said marker or printer being further provided with a trigger circuit capable of detecting null-point cross-over and simultaneously operating said marker to imprint the null-point on the chart below and/or the engage or release mechanism of the indicator said marker being optionally mounted to means for providing reciprocating motion thereto, said means being connected to a drive mechanism served by a suitable source of power supply.

Compl. specn. 11 pages. Drg. 1 sheet.

Prov. specn. 2 pages.

CLASS : 136-B 155463

Int. Cl. : B 29 d 23/00.

AN ELONGATED STRIP OF PLASTICS MATERIAL FOR FORMING A TUBE AND A TUBE MADE THEREBY.

Applicant : JOHNS-MANVILLE CORPORATION, P.O. BOX 5723, DENVER, COLORADO 80217, UNITED STATES OF AMERICA.

Inventors : 1. DAVID EARL MOMINEE, 2. STANLEY WILLIAM OTTO MENZEL, 3. GILBERT WILLIAM OTTO MENZEL, 3. GILBERT WILLIAM VANCE.

Application No. 1251/Cal/81 filed November 12, 1981.

Convention dated 14th November, 1980 (PE 6500/80) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

An elongated strip of plastics material for forming a tube by spiral winding said strip to overlap and interlock the two longitudinal edges of the body portion of the strip to form a continuous spiral seam, a first of said longitudinal edges having a locking rib upstanding from said body portion and a second of said longitudinal edges including a longitudinally extending socket for receiving said rib such that said spiral seam is formed, the improvement comprising one of said longitudinal edges includes a relatively resilient sealing flap extending laterally from and generally parallel to said body portion and the other of said longitudinal edges includes a mating surface for mating with said sealing flap, said rib being headed and including a ridge extending along one side and wherein said socket includes a corresponding ridge for engaging said ridge on said rib, said rib and said socket being mutually dimensioned so that, when said rib is engaged in said socket, a clearance exists between said ridge and said corresponding ridge.

Compl. specn. 16 pages. Drg. 1 sheet.

CASS : 98-G; 33-H 155464

Int. Cl. : B 22 d 1500; B 21 d 53/02.

CAST IRON RECUPERATOR.

Applicant : THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : RICHARD FRANKLIN STOCKMAN.

Application No. 1285/Cal/81 filed November 18, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

The method of making an envelope for a recuperative type heat exchanger comprising the steps of casting the bottom half of an envelope to form a concave wall that has a peripheral surface extending along a pair of opposite sides of said envelope, preparing a convex mold for the top half of said envelope that comprises elongate slits on opposites sides thereof adapted to confront the peripheral surfaces on the concave half of the envelope, pouring a quantity of molten metal into the mold to form the top half of the envelope that comprises a portion that confronts the slits and is contiguous with the peripheral surface on the bottom half of the envelope, and cooling the casting to fuse the molten metal of the top half of the envelope to the peripheral surface of the bottom half of the envelope thereby forming a fluid-tight bond therebetween.

Compl. specn. 7 pages. Drg. 1 sheet.

CLASS : 32-F_3 (a); 40-B 155465

Int. Cl. : B 01 j 11/00; C 07 c 43/00.

CATALYST COMPOSITION USEFUL SYNTHESIS OF DIMETHYL ETHER.

Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. WELDON KAY BELL, 2. CLARENCE DAYTON CHANG.

Application No. 1314/Cal/81 filed November 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A catalyst composition for use in the conversion of synthesis gas into dimethyl ether, comprising co-precipitated Cu, Zn and Al components in amounts such that the atomic ratio Al/(Cu+Zn) is not less than 0.1 and the atomic ratio Cu/Zn is from 0.2 to 5.0, and

an acidic dehydrating component as herein described in an amount of 5 to 95% by wt. of the composition.

Compl. specn. 17 pages. Drg. 1 sheet.

CLASS : 42-A_2 155466

Int. Cl. : A 24 c 5/50.

IMPROVED CIGARETTE FILTER AND PROCESS FOR MAKING THE SAME.

Applicant : BROWN & WILLIAMSON TOBACCO CORPORATION OF 1600 WEST HILL STREET, LOUISVILLE, KENTUCKY, U. S. A.

Inventor : ROBERT REINER JOHNSON.

Application No. 1361/Cal/81 filed December 1, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An improved cigarette filter comprising :

a porous filter rod of cylindrical configuration;

a smoke impervious wrapper extending longitudinally along said rod from one end thereof and circumscribing said rod leaving flow-through opposed ends of said rod;

tipping material extending longitudinally of and circumscribing said wrapper, said tipping material being provided with means permitting ventilating air flow therethrough; and,

spacing means disposed between said wrapper and said tipping material, said spacing means extending a preselected distance therealong defining ventilating air channels between said wrapper and said tipping material, ventilating air being the only fluid flowing through said channels when the filter is used in combination with a cigarette tobacco columb during smoke draw.

Compl. specn. 9 pages. Drg. 1 sheet.

CLASS : 40-F 155467

Int. Cl. : B 01 j 1/00.

LABORATORY GAS GENERATOR.

Applicant & Inventor : DEBASISH DAS GUPTA, C/O TRIPURA PHARMACEUTICALS, BADHARGHAT INDUSTRIAL ESTATE, ARUNDHATINAGAR, AGARTALA 799 003, TRIPURA, INDIA.

Application No. 1372/Cal/81 filed December 2, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Laboratory gas generator for reacting solid with acid at room temperature comprising a flat bottom spherical acid storage vessel and a cylindrical reaction vessel placed upon the said acid storage vessel, wherein :

(a) the acid storage vessel is provided with a downwardly extending central neck and two upwardly extending side necks on either sides of the said central neck;

(b) the central neck is provided with an air-exit glass tube fitted with a stop cock;

(c) the first side neck is provided with an air-injecting glass tube fitted with a stop cock;

(d) a gas outlet glass tube fitted with a stop cock is provided at the top of the said reaction vessel; and

(e) the bottom of the said acid storage vessel is connected with the bottom of the said cylindrical reaction vessel by means of an inverted U-shaped glass pipe fitted with a stop cock passing through the second side neck of the acid storage vessel and the top of the cylindrical reaction vessel.

Comp. specn. 6 pages. Drg. 1 sheet.

CLASS : 14-C 155468

Int. Cl. : H 01 m 45/00.

AN ELECTROLYTIC APPARATUS COMPRISES OF A PLURALITY OF ELECTRIC CELLS CONNECTED IN SERIES TO AN ELECTROLYTIC POWER SOURCE AND OPERATING WITH A RATED CURRENT.

Applicant : CHLORINE ENGINEERS CORP., LTD., OF NO. 1-1, TORANOMON 2-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : 1. KENZO YAMAGUCHI, 2. YOSHINARI TAKE, 3. AKIYOSHI MANABE.

Application No. 1378/Cal/81 filed December 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An electrolytic apparatus comprises of a plurality of electrolytic cells connected in series to an electrolytic power source and operating with a rated current, comprising connecting a short-circuiting unit comprises of at least one series combination of a resistor and a switch in parallel to at least one of said electrolytic cells, and closing said switch to provide for said at least one electrolytic cell a closes loop which allows a current smaller than the current flowing during the electrolysis to flow in the same direction as the current flowing during electrolysis.

Compl. specn. 14 pages. Drg. 2 sheets.

CLASS : 172-$D_{2,8}$ 155469

Int. Cl. : D 01 h 9/00.

APPARATUS FOR SORTING CONICAL BOBBIN TUBES.

Applicant : MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Inventor : ARTHUR WURMLI.

Application No. 1447/Cal/81 filed December 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Apparatus for sorting conical bobbin tubes, which comprises a transporting device with at least one trough-shaped transporting pocket, which together with an individual bobbin tube placed therein, can be moved at a bias to its longitudinal dimension, and which apparatus furthermore comprises means for shifting the bobbin tube placed into the transporting pocket in the one, or in the opposite direction of its longitudinal dimension, depending on the relative position of the bobbin tube foot and of the bobbin tube tip characterized in that these means comprises two rolls (25, 26, 41, 42), which are supported in rotational bearings (27, 43), and which can be placed onto the transporting device (13, 16, 51), that the rotational bearings (27, 43) are mounted onto a frame (22, 45, 46, 47), which is pivotable about a pivoting axis (24, 44), at equal distances from the pivoting axis (24, 44), that the pivoting axis (24, 44) extends parallel to the trough forming the transporting pocket (15, 52), and that the rotational axes (64) of the rolls (41, 42) on the same side of a straight line (67) connecting the rotational bearings (27, 43) penetrate an imagined plane (66), which extends at right angles to, and dividing into equal halves the transporting pocket.

Compl. specn. 15 pages. Drg. 2 sheets.

CLASS : 68-E_1. 155470.

Int. Cl. G 05 f 5/00.

A MEDIUM-VOLTAGE ELECTRICAL LOAD SWITCHING DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. KURT GRUNBERG, 2. RAINER POTH, 3. PETER WERNER, 4. KURT KOCH, 5. FRIEDRICH SCHWEPPE, 6. KURT VOIGTLANDER.

Application No. 1451/Cal/81 filed December 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 claims

A medium-voltage electrical load switching device, which has cladding comprising a metal housing which is sealed such as to deny access to its interior and which contains electronegative gas, the metal housing containing a switching means comprising at least three rotary switches aligned in the same direction, the rotary switches having the switch positions: open circuit, closed circuit, and earthed, and each rotary switch; being arranged in a respective housing made of insulating material which contains electronegative gas which is linked to the electronegative gas in the metal housing, the metal housing having gastight through-passages for cables to be attached to the switching means, and also having a transformer branch, said through-passages being arranged adjacently to one another in a floor of the metal housing and substantially parallel to frontal faces of the rotary switches, there being arranged on a ceiling of the metal housing said transformer branch, which branch comprises three through-passages.

Compl. specn. 10 pages. Drg. 1 sheet.

CLASS : 32-F_2 c; 55-D_9. 155471.

Int. Cl. A 01 n 9/00; C 07 c 101/00.

PROCESS FOR THE PREPARATION OF TRIALKYLSULFONIUM SALTS OF N-PHOSPHONOMETHYLGLYCINE.

Applicant : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT, U.S.A.

Inventor : 1. GEORGE BLACKMORE LARGE.

Application No. 1461/Cal/81 filed December 28, 1981.

Addition No. 1214/Cal/81 dated 31st October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A process for the preparation of trialkylsulfonium salts of N-phosphonomethylglycine comprising the step of contacting the appropriate sulfonium or sulfoxonium cation forming salt with N-phosphonomethylglycine in the presence of propylene oxide.

Compl. specn. 20 pages. Drg. 1 sheet.

CLASS : 198-D. 155472.

Int. Cl. B 04 c 1|00.

IMPROVEMENTS IN SPRIAL SEPARATORS.

Applicant : MINERAL DEPOSITS LIMITED, OF 81, ASHMORE ROAD, SOUTHPORT, QUEENSLAND, AUSTRALIA.

Inventor : 1. DOUGLAS CHARLES WRIGHT.

Application No. 28|Cal|82 filed January 6, 1982.

Conventions dated 20th January, 1981 (PE 7304) Australia and 7th May, 1981 (PE 8758) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 claims

A spiral separator including a helical sluice comprising a plurality of helical turns and mounted or arranged coaxially about a tubular upright column and adapted for the gravitational separation of particles contained in a pulp comprising water and said particles fed to the helical sluice, said spiral separator including in at least one helical turn a primary throat gap member which defines the throat gap or clearance between one end of a primary slot located in said at least one helical turn transverse to the direction of flow of said pulp and the proximal end of the primary throat gap member and there being further included a secondary throat gap member defining the throat gap or clearance between one end of a secondary slot located in said at least one helical turn transverse to the direction of flow of said pulp and the proximal end of the secondary throat gap member.

Compl. specn. 10 pages. Drgs. 2 sheets.

PROCEEDING UNDER SECTION 27 OF THE ACT

The grant of a patent on the application for Patents No. 151837 & 151838 has been refused under Section 27 of the Patents Act, 1970 by order of the Joint Controller of Patents & Designs on the 26th December 1984.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Widia (India) Limited to the grant of a patent on application No. 153439 made by Sandvik Asia Limited.

(2)

The opposition entered by Shri Raju Shroff to the grant of a patent on application for Patent No. 151830 made by Smt. Nitaben P shah and notified in the Gazette of India, Part-III, Section 2 dated the 3rd March, 1984 has been allowed and the application for patent refused.

PATENTS SEALED

145254 151816 151844 151891 152067 152081 152228 152324 152336 152360 152362 152363 152373 152379 152484 152487 152495 152507 152573 152579 152623 152636 152654 152655 152658 152686 152690 152702 152703 152704 152708

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The proposed amendments made by "Schubert & Salzer Maschinenfabrik Aktiengesellschaft", in respect of Patent Application No. 152097 as advertised in Part III Section 2 of the Gazette of India dated the 23rd June, 1984 has been allowed.

(2)

The amendments proposed by Yokogawa Hokushin Electric Corporation in respect of patent application No. 151734 as advertised in Part III, Section 2 of the Gazette of India dated the 14th July, 1984 has been allowed.

ELECTRICAL ENGG. LIST No.

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the filed of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of clender year 1983, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to work the said Patents, commerically may contact the patentees for the grant of licenced for the purpose.

Sl. No.	Patent No.	Date of Patents	Name & Address of the Patentees	Title of the invention
1	2	3	4	5
1.	120300	12- 3-1969	N. V. PHILIPS' GLOEILAMPENFABRIEKEN, Emmasingel 29, Eindhoven (Holland).	Device for the transmission of signals by pulse code modulation.
2.	121008	21-4-1969	Do.	Capacitor charge transferring device.
3.	121892	18-6-1969	Do.	Semiconductor device.
4.	127004	9-6-1970	Gebruder Moller Glasblaserei Inhaber, Willi Moller of Gubelstrasse 37, Zurich, Switzerland a swiss firm.	Measuring electrode for measuring of ions in solutions.
5.	127088	15-6-1970	N.V. PHILIPS' GLOEILAMPENFABRIEKEN, Emasingel 29, Eindhoven (Holland).	Semiconductor device comprising an insulated gate field effect.
6.	127125	16-6-1970	Do.	Crystal support for a semiconductor crystal.
7.	127358	1-7-1970	The Associated Electrical Industries Ltd. 1, Stanhope gate, London, W1A 1EH, England.	Protective relaysl.

1	2	3	4	5
8.	127410	6-7-1970	SIEMENS & KTIENGESELLSCHA-Ft, of Berlin & Munich, West Germany.	Apparatus for cooling semiconductor device.
9.	127958	10-8-1970	Siemens Aktiengesellschaft, Berlin &Munich, West Germany.	An installation comprising an asynchronous electrical machine.
10.	127959	10-8-1970	Gould Inc. E-1200 First National Bank Bldg., St. Paul , Minnesota, U.S.A.	Method and means for casting battery plates.
11.	128267	2-9-1970	Siemens AG, Berlin & Munich, West Germany.	Amplifier regulation arrangement for carrier frequency information transmission.
12.	128498	19-9-1970	Essex International Inc. 1601 Wall street, Fort wayne, Indiana, 46804 U. S. A.	Pressure sensitive combination switch and circuit braker construction.
13.	128591	25-9-1970	Siemens AG., Berlin & Munich, West Germany.	A spark gap assembly for a surge, arrester.
14.	128683	3-10-1970	Gould Inc. E-1200, First National Bank Bldg., P. O. BOX No. 3140 St. Paul Minnesota, USA.	A method of casting battery plate.
15.	128805	13-10-1970	GENERAL ELECTRIC COMPANY, 1, River Road, Schenectady, New York, U. S. A.	An electric cable encased with thermosetting insulation composition.
16.	129167	10-11-1970	SIEMENS AKTIENGESELISCHAFT, Berlin & Munich, West Germany.	A control arrangement.
17.	129400	26-11-1970	British Insulated Callender's Cables Ltd., 21 Bloomsbury street London W. C., 1, England.	Improvements in or relating to processing of wires.
18.	129428	28-11-1970	Telefonaktiebolaget L. M. ERICSSON, 12611 Stockholm 32, Swedeh.	Electric thread shaped conductor.
19.	129600	15-12-1970	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania U. S. A.	Improved fluorescent lamps.
20.	129712	23-12-1970	Westinghouse, Electric Corporation, Pittsburgh Pennsylvania, U. S. A.,	Method of coating europium activated strontium chlorophosphate, on to a lamp envelop.
21.	129870	7-1-1971	Canadian Westighouse, Co. Ltd. 286 Sandard Avenue,North Hamilton, Ontario, Canada.	Calcium halophosphate "daylight" phosphor for fluoroscent lamp.
22.	129899	11-1-1971	N. V.PHILIPS' GLOEILAMPENFABRIEKEN of Emmasingel 29, Eindhoven (Holland)	Method of manufacturing semiconductor device and semi conductor device obtained by using the method.
23.	130070	27-1-1971	Siemens A. G. Berlin & Munich, West, Germany.	Improvements in relating to the manufcturee of hollow bodies of semi-conductor material.
24.	130470	4-3-1971	COMBUSTION ENGINEERING INC. of 1000, Prospect Hill Road, Windsor, connecticut, United States of Americal	Fuel burner safety control circuit capable to distinguishing between power interruption & emergency operations.
25.	130634	19-3-1971	ESSEX INTERNATIONAL INC. of 1601 Wall Street, Fast Wayne, Indiana 46804, U. S. A.	Current control apparatus and method of manufacture thereof.
26.	130727	22-1-1972	(i) Nippon Hoso Kyokai & (ii) Tokyo Shibaura Electric Company Ltd. of (i) 2-3, 2-chome,Jiniah, Shibyya-ku, Tokyo, Japan,and (ii) o f 72, Horikawa-cho, Saiwai-ku Kawasaki-shi, Japan.	Metal vapour discharge lamp.
27.	131288	7-5-1971	EGON SCHEULBACK, 5, Eichenstrasse Zeitlarn, Rogensburg, F. R. G.	Stage selector for regulating transformers.
28	131289	7-5-1971	TEXACO DEVELOPMENT CORPORATION OF 135 East 42nd street, New York, N. Y-10017, U.S. A.	An electrical indicator for penumatic control system .
29.	131480	24-5-1971	N. V. PHILIPS, GLOEILAMPENFABRIEKEN of Emmasingel 29, Eindhoven (Holland)	Mehtod of manufacturing a semi-conductor device and semi-conductior device manufactured.

1	2	3	4	5
30.	131645	8-6-1971	THE UDYLITE CORPORATION OF Detroit, Michigo, United States of America.	A battery employing halogen hydrate as an oxidant.
31.	132311	30-7-1971	COMPAGNIE PECHINEY, of 23 Rue, Bolzae, Paris 8 e, France.	Flame guard for the electrode economiser of electric are furnaces.
32.	132357	3-8-1971	SIEMENS AKTIENGESELISCHAFT of Berlin & Munich Germany, (West).	Improvements in or relating to digital filters.
33.	132393	5-8-1971	TRANSFORMATOREN UNION AKTENGESELLSCHAFT of Deekerstrasse 5, 7 Stuttart-Bad, Caunstalt, Federal Republic of Germany.	Protective appliances for biquidcooled electric apparatus especially transformers & choke coils.
34.	132466	11-8-1971	GENERAL ELECTRICAL COMPANY of 1, River Road, Schenectady, New York, United States of America.	Sintered intermelabic product and magnets produced therefrom.
35.	132597	20-8-1971	N. V. PHILIPS' GLOEILAMPENFABRIEKEN, of Emmasingel 29, Eindhoven Holland.	Method of manufacturing a semiconductor device and semi-conductor device manufacutred by the method.
36.	132598	20-8-1971	Do.	Semi-conductor device.
37.	132599	20-8-1971	Do.	Method of manufacturing a semi-conductor device.
38.	132600	20-8-1971	Do.	Semi-conductor device in particular a monolithic integrated circuit.
39.	132601	20-8-1971	Do.	Semi-conductor device having a transitor.
40.	132602	20-8-1971	Do.	Semi-conductor device, in particular intigrated monolithic circuit.
41.	133173	8-10-1971	WESTINGHOUSE BRAKE AND SIGNAL COMPANY LTD.OF 3 John Street, London WC IN 2ES, England.	Static relaying circuit.
42.	133362	11-5-1970	MINNESOTA MINING AND MANUFACTURING CO. of 3 M center, Saint Poul, Minnesota 55101, U S. A.	An assembly station for use in splicing of communications cables and a method of making a kodular place array on said assembly station.
43.	133363	11-5-1970	MINNESOTA MINING AND MANUFACTURING CO. of 3M Center, Saint Paul, Minnesota 55101, U. S.A.	Prove member for verifying electrical connection to be used in splicing of communications cables.
44.	133787	29-11-1971	SIEMENS AKTIENGESELLSCHAFT of Berlin & Munich Germany (West).	Improvements in or relating to electrochemical filters.
45.	133925	13-12-1971	THE ENGLISH ELECTRIC COMPANY LTD. of 1, Stanhope Gate, London, W1A EH England.	High votage monitoring systems.
46.	133973	16-12-1971	SIEMENS AKTIENGESELLSCHAFT OF Berlin & Munich, Germany (West).	Improvements in or relating to methods of making magnetic material lamination.
47.	134371	24-1-1972	EGON SCHEUBECK, of 5, Eichenstrasse, zeitlern, Regensburg, West Germany.	Stepping switch for regulating transformers.
48.	134788	1-3-1972	N. V. PHILIPS' GLOEILAMPENFABRIEKEN of Emmasingel 29, Eindhoven, England.	Method of manufacturing a semi-conductor device and semi-conductor device "manufactured" by such method.
49.	134853	7-3-1971	AMERICAN COMPANY, of Wayne, New Jersey, U. S. A.	Electro-chemical current producing cell.
50.	135293	17-4-1972	WESTINGHOUSE ELECTRIC CORPORATION of Pittsburgh, Pennsylvanic U. S. A.	Plug-in bus duct with head dissipation means.

1	2	3	4	5
51.	135355	15-12-1970	WESTINGHOUSE ELECTRIC CORPN. OF 3 Gate-way Centre, Pittsburgh, Pennsylvania. U. S. A.	Phosphor coated tubular lamp envelopes.
52.	135476	8-6-1971	THE UDYLITE CORPORATION OF DETROIT, Michigan, U. S. A.	Process for discharging the battery.
53.	135558	8-3-1972	RCA CORPORATION, of 30 Rockfeller, Plaza, New York 10020, U. S. A.	A semi-conductor device.
54.	135559	8-3-1972	Do.	A method of assembling a semi-conductor device.
55.	135577	1-8-1972	COMBUSTION ENGINEERING INC. OF 1000, Prospect Hill Road, Windsor connecticut, U. S. A.	Ionic flame monitor.
56.	135883	8-8-1972	UNION CARBIDE CORPORATION OF 270 Park Avenue, New York, State of New York 10017, U. S. A.	Resealable vent closure for sealed galvanic dry cell.
57.	136011	8-6-1971	THE UDYLITE CORPORATION OF DETROIT MICHIGAN, U. S. A.	Process for charging the battery.
58.	136199	16-9-1972	IMPERIAL CHEMICAL INDUSTRIES LTD. of Imperial Chemical House, Mill bank, London SW1, England.	Electrodes for electrochemical process. and a method for the manufacture thereof.
59.	136216	27-12-1972	UNION CARBIDE CORPORATION OF 270 Park Avenue, New York, State of New York 10017, U. S. A.	Non-aqeous electro-chemical cell.
60.	136295	4-7-1972	WESTINGHOUSE ELECTRIC CORPORATION OF pittsburg, Pennsylvania U. S A.	Rotors for syschronous dynamoelectric machines.
61.	136319	22-6-1972	MINNESOTA MINING AND MANUFACTURING COMPANY, 3M Center Saint Paul Minnesota 55101, U. S. A.	Magnetic recording tape.
62.	136348	19-5-1973	NIPPON HOSO KYOKAI of 2-3, 2-Chome, Uchisaiwai -cho, Chiyoda-ku, Tokyo, Japan.	Microwave circuits.
63.	136350	21-6-1972	WESTINGHOUSE ELECTRIC CORPORATION OF PITTSBURG, Pennsylvania, U. S. A.	Thermosettable pressure sensitive adhesive tape.
64.	136407	28-3-1972	UNION CARBIDE CORPORATION of 270 Park Avenue, New York, State of New -10017, U. S. A.	mprovements in or relating to galvanic cells.
65.	136816	2-5-1972	RCA CORPORATION OF 30 Rockefeller Plaza, New York, New York-10020, U. S. A.	Television display system.
66.	136818	30-5-1972	RCA CORPORATION OF 30 Rockefeller Plaza, New York, NEW YORK-10020, U. S. A.	Magnetic beam adjusting device.
67.	136822	4-5-1972	ENERGY SCIENCES INC. of 111, Terrace Hall Avenue, Buzlington, Massachusetts, U. S. A.	Process and apparatus for surface sterilization of materials.
68.	136824	3-5-1972	RCA CORPORATION 30 Rockefeller Plaza, New York, New York-10020, U. S. A.	Color image display system.
69.	136850	10-5-1972	Do.	Color imgage display system.
70.	136998	29-1-1973	WESTINGHOUSE ELECTRIC CORPORATION OF PITTSBURG, Pennsylvania, U. S. A.	Rectifier assembly for brushless oxidation systems.
71.	137027	27-12-1972	UNION CARBIDE CORPORATION OF 270 Park Avenue New York, State of New York-10017, U. S. A.	Primary dry cell with anode cup bottom protection.

1	2	3	4	5
72.	137036	21-10-1972	Burroughs Corporation of second avenue of Burroughs, Detroit, Michigan-48232.	Electronic calculators.
73.	137066	3-4-1973	SIEMENS AKTIENGESSELISCHAFT, of Berlin & Munich (W) Germany.	An apparatus providing plurality of signal paths having a circuit for blocking said path.
74.	137260	15-5-1973	ESSEX GROUP INC. OF 1601, Wall Street, Fork Wayne, Indiana-46804, U. S. A.	Terminating and splicing electrical conductors.
75.	137265	22-12-1972	SIEMENS AKTIENGESELISCHAFT OF BERLIN AND MUCHICH, GERMANY, (WEST).	An electrical fuse assembly.

RENEWAL FEES PAID

124675 124676 124694 124723 124737 124747 124806 124849
124964 125195 125381 129880 132080 134206 134247 134284
134295 134318 134322 134507 134733 135042 136168 136340
136754 136577 137287 137351 138001 138025 138195 138221
138269 138297 138653 138820 138822 139044 139363 139641
139658 139721 139941 140240 140296 140306 140487 140999
141367 141443 141515 141676 141682 141683 141684 141753
141905 142391 142633 142648 142877 143335 143658 144138
144180 144274 144344 144361 144362 144363 144385 144389
144540 144765 144828 144829 144881 145081 145115 145305
145337 145599 145632 145670 145687 145814 145987 146053
146066 146147 146196 146408 146638 146660 146870 146900
147022 147067 147274 147275 147427 147429 147668 148328
148354 148407 148473 148540 148541 148915 148980 149139
149220 149396 149423 149424 150128 150157 150228 150298
150307 150330 150499 150518 150787 150947 150965 151067
151070 151701 151072 151203 151233 151718 152076 152118
152119 152122 152141 152153 152202 152229 152258 152264
152283 152341 152365 152437 152461 152530 152632 152634
152635 152665 152666 152681 152727 152728 152734 152735
152742

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 154597. Robert Charles Albiez of 50, Grigor Street, Caloundra, Queensland, 4551, Australia, an Australian citizen. "Portable Battery Powered Refrigerator/Freezer", 19th July, 1984.

Class. 1. No. 154750. Kirloskar Brothers Limited, a Company incorporated under the provisions of Indian Companies Act) at Udyog Bhavan, Tilak Road, Pune-411 002, Maharashtra State, India. "Foot Valve". 30th August, 1984.

Class. 1. No 154919. Pal Dahle (P) Ltd., (a Company incorporated under the Indian Companies Act, 1956) having its Registered Office at E-17, Davanand Nagar, Ghaziabad (U.P.). Pencil Sharpening Machine". 5th October, 1984.

Class. 1. No. 154480. Munchur Industries Pvt. Ltd., of 96 Siddharth Flat 202, Nehru Place, New Delhi-110019. India an Indian Company. "Ignition Coil". 1st June, 1984.

Class. 1. No. 154854. Vinodrai Vandravandas Barchha, an Indian of Flat No. 9-B, (9th floor) "NEEL KAMAL", 41, Elgin Road, Calcutta-700 020, West Bengal, India, "School Bag", 21st September, 1984.

Class. 1. No. 154442. 1. Mrs. Ramanathan Meera Bai and 2. Mrs. Mohan Ram Saroja, Nynar Nadar Road, Mylapore, Madras-600 004, Tamil Nadu, India, Indian Nationals, "Casseroles". 25th May, 1984.

Class. 1. No. 154899. Vinodrai Vandravandas Barchha, an Indian of Flat No. 9-B, (9th floor), "NEEL KAMAL". 41, Eigin Road, Calcutta-700 020, West Bengal, India. "School Bag", 28th September, 1984.

Class. 3. No. 154381. Rashmi Somabhai Patel Indian National of No. 2 Shanker Smruti, 37, Marve Road, Malad (West), Bombay-400 064 State of Maharashtra, India. "A Plastic Container With Cap". 5th May, 1984.

Class. 3. No. 154807. Universal Luggage Manufacturing Co. Private Limited, (an Indian Company under the Act) at Building 'B', Shah Industrial Estate, Saki-Vihar Road, Bombay-400072, Maharashtra State, India. "Suitcase". 10th September, 1984.

Class. 3. No. 155020. Universal Luggage Manufacturing Co. Private Limited, (an Indian Company of Shah Industrial Estate, Building 'B', Saki Vihar Road, Bombay-400072, Maharashtra, India. "Brief Case" 31st October, 1984.

Class. 3. No. 155080. Eagle Flask Private Limited under the Indian Companies Act, at Eagle Estate, Talegaon 410507, District Pune, State of Maharashtra, India. "Vacuum Flask". 23rd November, 1984.

Class. 3. No. 154740. Universal Luggage Manufacturing Co. Private Limited, (an Indian Company Act) of Building 'B', Shah Industrial State; Saki Vihar Road, Bombay 400 072, State of Maharashtra, India. "Suit Case", 27th August, 1984.

Class. 3. No. 154896. Dilip Purshotam Somava, (Indian National), A-3 Amarjivan Co-op. Housing Society, 273, S. Papat Marg Matunga Road, Bombay-400 016, State of Maharashtra, India. "Fastner". 28th September, 1984.

Class. 3. No. 154897. Dilip Purshotam Somava (Indian National), A-3 Amarjivan Co-op. Housing Society, 273 S. Papat Marg Matunga Road, Bombay-400 016, State of Maharashtra, India. "Fastner". 28th September, 1984.

Class. 3. No. 154956. Simple Eleceronics (India), 55, Raj Baug, Pydhonie, Bombay-400003, Maharashtra, an Indian Partnership Firm. "Gas Lighter". 15th October, 1984.

Class. 3. No. 154415. Universal Electrical Industries, B-214, Naraina Industrial Area, Phase-1, New Delhi-110028, an Indian Partnership Firm. "Room Heater". 16th May, 1984.

Class. 3. No. 154855. Vinodrai Vandravandas Barchha, an Indian of Flat No. 9-B, (9th floor) "NEEL KAMAL". 41, Eigin Road, Calcutta-700 020, West Bengal, India "School Bag-2". 21st September, 1984.

Class. 3. No. 154957. Sharma Plastic Agencies, 27, Sutar Chawl, 3rd floor, Bombay-400 002, Maharashtra State, an Indian Sole Proprietory Firm. "Container". 15th October, 1984.

Class. 3. No. 154958. Sharma Plastic Agencies, 27, Sutar Chawl, 3rd floor, Bombay-400 002, Maharashtra State, an Indian Sole Proprietory Firm. "Container". 15th October, 1984.

Class. 3. No. 154959. Sharma Plastic Agencies, 27, Sutar Chawl, 3rd floor, Bombay-400 002, Maharashtra State, an Indian Sole Proprietory Firm. "Container". 15th October, 1984.

Class 3 No. 154955. Vijay Bakelite Trading Company 8, Chakla Street, Bombay-400 003, Maharashtra, India, an Indian Partnership Firm. "Pilfer Proof Cap". 15th October, 1984.

Class. 3. No. 154900. Vinodrai Vandravandas Barchha, an Indian of Flat No. 9-B, (9th floor) "NEEL KAMAL". 41, Eigin Road, Calcutta-700 020, West Bengal, India. "School Bag". 28th September, 1984.

Class. 3. No. 155066. The Parker Pen Company, a Company organized and existing under the laws of the State of Delaware, United States of America, of One Parker Place, Janesville, Wisconsin-53545, United States of America. "Writing Instrument". 17th November, 1984.

Class. 3. No. 154924. Gandhi Plastics, Barrack No. 11|4, Shiv Road, Ulhasnagar-421001, Dist. Thane, State of Maharashtra, an Indian Sole Proprietory Firm. "Toy Car". 8th October, 1984.

Class. 3. No. 154925. Gandhi Plastics, Barrack No. 11|4, Shiv Road, Ulhasnagar-421001, Dist. Thane, State of Maharashtra, an Indian Sole Proprietory Firm. "Toy Jeep", 8th October, 1984.

Class. 3. No. 154930. Ashish Enterprises, Irani Building, Ground Floor, 303, Cawasji Hormasji Street, (near Marine Lines Church), Bombay-400 002, Maharashtra, India, an Indian Sole Proprietory Firm. "Magnetic Pin-up". 8th October, 1984.

Class. 3. No. 154915. Giriraj Corporation, a proprietory concern, "Device for insertion of Intra-uterine contraceptive device. 29th September, 1984.

Class. 3. No. 144916. Giriraj Corporation, a proprietory concern, of 107, Churchgate Chambers, New Marine Lines Road, Bombay-400 020, an Indian Concern, "Intra-uterine contraceptive device". 29th September, 1984.

Class. 3. No. 154808. Universal Luggage Manufacturing Company Private Limited (an Indian Company under the Act) at Building 'B', Shah Industrial Estate, Saki-Vihar Road, Bombay-490072, Maharashtra State, India. "Suitcase". 10th September, 1984.

Class. 4. No. 154649. Chesebrough-Pond's Inc., a corporation organised under the laws of the State of New York, of 33 Benedict Place, Greenwich, Connecticut-06830, U.S.A. a "Bottle". 31st July, 1984.

Class. 5. No. 154497. Abraham Levy, a Citizen of Israel, of 44 Alumim Street, Afeka, Tel-Aviv, Israel. "A Sun Shield". 12th June, 1984.

Class. 5. No. 154584. Sharda Paper Box Manufacturing Company, an Indian Registered Partnership Firm. "Playing Cards". 12th February, 1984.

Extn. *of copyright for the second period of five years.*

Nos. 150111, 149542 Class-1.

Nos. 154888, 154885, 154809, 154684 Class 3.

No. 154884 Class-4.

Extn. *of copyright for the Third period of five years.*
Nos. 149542, 142613, 142509 Class-1.

Nos. 154888, 154885, 154809, 154684, 142510 Class-3.

Nos. 154884, 142500, 142859, 142702, 142511 Class-4.

R. A. ACHARYA,
Controller General of Patents, Designs and Trade Marks.

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